ABSTRACT OF THE DISCLOSURE

METHOD OF DISTRIBUTING COMMUNICATIONS WITHIN A CELL OF A RADIO-COMMUNICATION NETWORK, AND A CORRESPONDING DEVICE AND BASE STATION.

The invention relates to a method of distributing communications established by radio-communication terminals, within a geographic cell of a radio-communication network, the geographic cell being sub-divided into at least two geographic sectors.

According to this invention, the method comprises a step of modifying, by rotation, the orientation of the sectors within said cell.

Figure 2b

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41 → Y Rate (S_i) ≥ Rate_Max N
$\forall i \in [1,N]$

42 → Choice of S_{sat} such that
$Rate(S_{sat}) = max(Rate(S_i))$

43 → Measurement of $Rate(S_i)$ for the 2 sectors S_{sat-1} and S_{sat+1} adjacent to S_{sat}

44 → Determination of the sector S_{min} such that
$Rate(S_{min}) = min(Rate(S_{sat-1}), Rate(S_{sat+1}))$

Time T
49

45 → Rotation through an angle α in the direction from S_{sat} towards S_{min}

46 → Measurement of $Rate(S'_i)$
$\forall i \in [1,N]$

47 → Y An S'_i exists such that N
$Rate(S'_i) \geq Rate(S_{sat})$

48 → New Position Established

Fig. 4a

41' → Y Nblinks(S_i) ≥ NbLinks_Max N
$\forall i \in [1,N]$

42' → Choice of S_{sat} such that
$NbLinks(S_{sat}) = max(NbLinks(S_i))$

43' → Measurement of $NbLinks(S_i)$ for the 2 sectors S_{sat-1} and S_{sat+1} adjacent to S_{sat}

44' → Determination of the sector S_{min} such that
$NbLinks(S_{min}) = min(NbLinks(S_{sat-1}),NbLinks(S_{sat+1}))$

Time T
49

45' → Rotation through an angle α in the direction from S_{sat} towards S_{min}

46' → Measurement of $NbLinks(S'_i)$
$\forall i \in [1,N]$

47' → Y An S'_i exists such that N
$NbLinks(S'_i) \geq NbLinks(S_{sat})$

48' → New Position Established

Fig. 4b